



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/006,855	12/05/2001	Tomoaki Itoh	5077-000076	8889
27572	7590	08/23/2005	EXAMINER	
HARNESS, DICKEY & PIERCE, P.L.C.			TIV, BACKHEAN	
P.O. BOX 828			ART UNIT	PAPER NUMBER
BLOOMFIELD HILLS, MI 48303			2151	

DATE MAILED: 08/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/006,855	ITOH ET AL.
	Examiner Backhean Tiv	Art Unit 2151

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 16 November 2004.  
 2a) This action is **FINAL**.      2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-11 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-11 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
     Paper No(s)/Mail Date 3/04,7/04,11/04.

4) Interview Summary (PTO-413)  
     Paper No(s)/Mail Date. \_\_\_\_\_.  
 5) Notice of Informal Patent Application (PTO-152)  
 6) Other: \_\_\_\_\_.

***Detailed Action***

Claims 1-11 are pending in this application.

***Priority***

Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d).

***Information Disclosure Statement***

The IDS filed on 3/8/04, 7/27/04, 11/16/04 have been considered. The applicant is reminded to submit a copy of all Foreign and Non Patent Literature with English translation with an IDS. The article titled "Rate Control System Capable of Users' Customization" and "Notice of Reasons of Rejection dated 8/13/04 were not considered because no copy were received.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1,2,10 are rejected under 35 U.S.C. 102(b) as being anticipated by US Patent 5,784,527 issued to Ort.

As per claim 1,2,10, Lin teaches a method for reproducing a data stream sent from a server via a transmission path to a receiving terminal(Abstract), the method comprising the steps of:

holding time information regarding a time when a reproduction of the data stream is interrupted(Abstract, Fig.9); and resuming the reproduction from an intermediate position of the data stream based on the time information(col.2, lines 35-67, Fig.9).

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1,2,10 are rejected under 35 U.S.C. 102(e) as being anticipated by US Patent 6,088,721 issued to Lin et al.(Lin).

As per claim 1,2,10, Lin teaches a method for reproducing a data stream sent from a server via a transmission path to a receiving terminal(col.2, lines 1-25), the method comprising the steps of:

holding time information regarding a time when a reproduction of the data stream is interrupted(col.2, lines 1-25,col.6, lines 30-67);

and resuming the reproduction from an intermediate position of the data stream based on the time information(col.2, lines 1-25,col.6, lines 30-67).

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3-9,11 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent 5,784,527 issued to Ort in view of US Patent 6,003,084 issued to Green et al.(Green).

As per claim 3, 11, Ort teaches a data receiving terminal for receiving and reproducing data sent from a server(Abstract), comprising:

data receiving means for receiving data having time stamps indicating reproduction order(col.14, lines 56-col.15, lines 8);  
decoding means for decoding data received by the data receiving means in the order of the time stamps, and outputting the time stamps of the decoded data(col.7, lines 1-48, col.14, lines 56-col.15, lines 8); memory for storing stamp stamp (col.2, lines 36-65,col.7, lines 1-46); display means for displaying the data decoded by the decoding means(col.7, lines 26-44); timestamp stored in memory(Abstract, col.14, lines 56-col.15, lines 8); memory management means for managing that the time stamp outputted by the decoding means replaces a time stamp corresponding to the connection address during connection in the memory(col.2, lines 36-65,col.7, lines 1-46).

Ort however does not explicitly teach a memory for storing at least connection; user input means for analyzing an external operation, and outputting at least a connection address; connection address detection means for detecting whether the connection address outputted by the user input means is stored in the memory; connection request creation means for creating a connection request requesting the server to send data, based on the connection address outputted from the user input means, the detection result from the connection address detection means, and the connection stored in the memory; and message sending/receiving means for sending the connection request created by the connection request creation means to the server, and processing the response from the server; a memory for storing at least connection address.

Green teaches a memory for storing at least connection(Abstract, ); user input means for analyzing an external operation, and outputting at least a connection address(Abstract, col.2, lines 49-67); connection address detection means for detecting whether the connection address outputted by the user input means is stored in the memory(Abstract, col.5, lines 15-67); connection request creation means for creating a connection request requesting the server to send data, based on the connection address outputted from the user input means, the detection result from the connection address detection means, and the connection stored in the memory(Abstract, col.5, lines 15-67); and message sending/receiving means for sending the connection request created by the connection request creation means to the server, and processing the response

from the server(Abstract, col.5, lines 15-67); a memory for storing at least connection address(Abstract, col.5, lines 15-67).

Therefore it would have been obvious to one ordinary skill in the art at the time of the invention to modify the teachings of Ort of storing timestamps in memory and to stream data to connect a user to a server using an address and to store address in memory as taught by Green in order to connect a user to a server.

One ordinary skill in the art at the time of the invention would have been motivated to combine the teachings of Ort and Green in order to provide a system to transmit audio or video data from a server to a user.

As per claim 4, the data receiving terminal according to claim 3, wherein, if the connection address detection means has detected in the memory the connection address indicated by the user input means, the connection request creation means requests the sending of data from a data position indicated by the time stamp corresponding to this connection address(Green, Abstract, col.5, lines 15-67 and Ort, col.7, lines 1-48, col.14, lines 56-col.15, lines 8). Motivation to combine set forth in claim 3.

As per claim 5, the data receiving terminal according to claim 3, wherein the user input means further analyzes external operation and outputs a selection signal in response to a message; wherein, if the connection address detection means has detected in the memory the connection address indicated by the user input means, the connection request creation means displays a message with the display means asking to decide whether to request the sending

of data from the time stamp with respect to that connection address, and creates a connection request to the server based on a selection signal with regard to the message outputted from the user input means(Green, Abstract, col.5, lines 15-67 and Ort, col.7, lines 1-48, col.14, lines 56-col.15, lines 8). Motivation to combine set forth in claim 3.

As per claim 6, the data receiving terminal according to claim 3, wherein the memory stores as a group at least an active flag indicating whether content is being received, the connection address(Green, Abstract), and the time stamp(Ort, Abstract); and wherein, when the time stamp is outputted by the decoding means, the memory management means detects, of the active flags stored in the memory(Ort, col.7, lines 1-46), an active flag indicating that content is being received, and replaces the time stamp corresponding to this active flag indicating that content is being received(Ort, col.7, lines 1-46). Motivation to combine set forth in claim 3.

As per claim 7, the data receiving terminal according to claim 3, wherein the memory stores as a group at least a reproduction termination flag indicating content that has been reproduced to the end, the connection address, and the time stamp(Ort, Abstract, col.7, lines 1-44, col.2, lines 36-65); and wherein, if the reproduction termination flag with respect to a connection address in the memory outputted from the user input means indicates that reproduction has terminated, then the connection request creation means creates a connection request that requests sending of data from the beginning of that connection address(Green, Abstract, col.5, lines 15-67). Motivation to combine set forth in claim 3.

As per claim 8, the data receiving terminal according to claim 3, wherein every time that intra-coded data is decoded, the decoding means outputs a time stamp of those data to the memory management means(Ort, col.7, lines 1-44).

As per claim 9, the data receiving terminal according to claim 3, further comprising a receiving situation reporting means that operates when connected to the server, and that regularly sends receiving reports indicating that data have been received, and receives sending reports sent by the server and indicating that data have been sent(Ort, col.2, lines 35-65,col.4, lines 59-col.5, lines 67); wherein, if the receiving situation reporting means does not receive a sending report sent by the server within a predetermined time, then it outputs a signal indicating that a region in which data cannot be received has been entered(Ort, col.2, lines 35-65,col.4, lines 59-col.5, lines 67).

Claims 3-9,11 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent 5,784,527 issued to Ort in view of US Patent 6,356,541 issued to Muller et al. (Muller)

As per claim 3, 11, Ort teaches a data receiving terminal for receiving and reproducing data sent from a server(Abstract), comprising:

data receiving means for receiving data having time stamps indicating reproduction order(col.14, lines 56-col.15, lines 8);

decoding means for decoding data received by the data receiving means in the order of the time stamps, and outputting the time stamps of the decoded data(col.7, lines 1-48, col.14, lines 56-col.15, lines 8); memory for storing stamp

stamp (col.2, lines 36-65,col.7, lines 1-46); display means for displaying the data decoded by the decoding means(col.7, lines 26-44); timestamp stored in memory(Abstract, col.14, lines 56-col.15, lines 8); memory management means for managing that the time stamp outputted by the decoding means replaces a time stamp corresponding to the connection address during connection in the memory(col.2, lines 36-65,col.7, lines 1-46).

Ort however does not explicitly teach a memory for storing at least connection; user input means for analyzing an external operation, and outputting at least a connection address; connection address detection means for detecting whether the connection address outputted by the user input means is stored in the memory; connection request creation means for creating a connection request requesting the server to send data, based on the connection address outputted from the user input means, the detection result from the connection address detection means, and the connection stored in the memory; and message sending/receiving means for sending the connection request created by the connection request creation means to the server, and processing the response from the server; a memory for storing at least connection address.

Muller teaches a memory for storing at least connection(Abstract); user input means for analyzing an external operation, and outputting at least a connection address(Abstract, col.2, lines15-50); connection address detection means for detecting whether the connection address outputted by the user input means is stored in the memory(Abstract, col.2, lines15-50); connection request creation means for creating a connection request requesting the server to send

data, based on the connection address outputted from the user input means, the detection result from the connection address detection means, and the connection stored in the memory(Abstract, col.2, lines15-50); and message sending/receiving means for sending the connection request created by the connection request creation means to the server, and processing the response from the server(Abstract, col.2, lines15-50); a memory for storing at least connection address(Abstract, col.2, lines15-50).

Therefore it would have been obvious to one ordinary skill in the art at the time of the invention to modify the teachings of Ort of storing timestamps in memory and to stream data to connect a user to a server using an address and to store address in memory as taught by Muller in order to connect a user to a server.

One ordinary skill in the art at the time of the invention would have been motivated to combine the teachings of Ort and Muller in order to provide a system to transmit audio or video data from a server to a user.

As per claim 4, the data receiving terminal according to claim 3, wherein, if the connection address detection means has detected in the memory the connection address indicated by the user input means, the connection request creation means requests the sending of data from a data position indicated by the time stamp corresponding to this connection address(Ort, col.7, lines 1-48, col.14, lines 56-col.15, lines 8, and Muller, col.2, lines 15-50). Motivation to combine set forth in claim 3.

As per claim 5, the data receiving terminal according to claim 3, wherein the user input means further analyzes external operation and outputs a selection signal in response to a message; wherein, if the connection address detection means has detected in the memory the connection address indicated by the user input means, the connection request creation means displays a message with the display means asking to decide whether to request the sending of data from the time stamp with respect to that connection address, and creates a connection request to the server based on a selection signal with regard to the message outputted from the user input means(Muller, col.2, lines 15-50and Ort, col.7, lines 1-48, col.14, lines 56-col.15, lines 8). Motivation to combine set forth in claim 3.

As per claim 6, the data receiving terminal according to claim 3, wherein the memory stores as a group at least an active flag indicating whether content is being received, the connection address(Muller, Abstract), and the time stamp(Ort, Abstract); and wherein, when the time stamp is outputted by the decoding means, the memory management means detects, of the active flags stored in the memory(Ort, col.7, lines 1-46), an active flag indicating that content is being received, and replaces the time stamp corresponding to this active flag indicating that content is being received(Ort, col.7, lines 1-46). Motivation to combine set forth in claim 3.

As per claim 7, the data receiving terminal according to claim 3, wherein the memory stores as a group at least a reproduction termination flag indicating content that has been reproduced to the end, the connection address, and the

time stamp(Ort, Abstract, col.7, lines 1-44, col.2, lines 36-65); and wherein, if the reproduction termination flag with respect to a connection address in the memory outputted from the user input means indicates that reproduction has terminated, then the connection request creation means creates a connection request that requests sending of data from the beginning of that connection address(Muller, col.2, lines 15-50). Motivation to combine set forth in claim 3.

As per claim 8, the data receiving terminal according to claim 3, wherein every time that intra-coded data is decoded, the decoding means outputs a time stamp of those data to the memory management means(Ort, col.7, lines 1-44).

As per claim 9, the data receiving terminal according to claim 3, further comprising a receiving situation reporting means that operates when connected to the server, and that regularly sends receiving reports indicating that data have been received, and receives sending reports sent by the server and indicating that data have been sent(Ort, col.2, lines 35-65,col.4, lines 59-col.5, lines 67); wherein, if the receiving situation reporting means does not receive a sending report sent by the server within a predetermined time, then it outputs a signal indicating that a region in which data cannot be received has been entered(Ort, col.2, lines 35-65,col.4, lines 59-col.5, lines 67).

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Backhean Tiv whose telephone number is (571)272-3941. The examiner can normally be reached on 9 A.M.-12 P.M. and 1-6 P.M. Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zarni Maung can be reached on (571) 272-3939. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

***On July 15, 2005, the Central Facsimile (FAX) Number will change from 703-872-9306 to 571-273-8300.***

BT  
Backhean Tiv  
2151  
8/9/05

  
ZARNI MAUNG  
SUPERVISORY PATENT EXAMINER